Cellasto® MH24-45

Thermoplastic Polyurethane Elastomer

BASF Polyurethanes GmbH

Technical Data

Product Description

Cellasto is the trade name for BASF Polyurethanes' high performance, microcellular polyurethane elastomer. Cellasto components have been used successfully for over 35 years as the NVH (Noise, Vibration, Harshness) solution for automotive chassis and suspension applications such as jounce bumpers, shock absorber top mounts and coil spring isolators. Cellasto is also used in many other applications outside of automotive such as: elevator safety buffers; paper conveying components; friction dampers; sub-frame, motor & body mounts; and more.

The outstanding features are:

- Low compression set
- High volume compressibility with minimum lateral expansion
- Excellent mechanical properties & durability
- Highly versatile - noise isolation at small amplitude & high frequency; vibration isolation at large amplitude & low frequency
- Abrasion resistant
- Resistant to ozone, oils, greases and other aliphatic hydrocarbons

General

Features	• Abrasion Resistant • Durable • Grease Resistant	• Hydrocarbon Resistant • Low Compression Set • Noise Damping	• Oil Resistant • Ozone Resistant • Vibration Damping
Uses	• Automotive Applications		
Processing Method	• Foam Processing		

Physical	Nominal Value	Unit	Test Method
Apparent (Bulk) Density	0.45	g/cm³	ASTM D3574A
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	4.00	MPa	ASTM D3574E
Tensile Elongation (Break)	400	%	ASTM D3574E
Tear Strength	12.0	kN/m	
Compression Set			ASTM D3574D
20°C, 70 hr	3.5	%	
70°C, 22 hr	5.0	%	

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

[2] Typical properties: these are not to be construed as specifications.